

# MIRAFI® 140N Drainage Fabric

Mirafi Inc, the leader in geotextile technology and service, has developed the ideal fabric for sub-surface drainage applications.

**Mirafi 140N Features:**

- **Easy to Install** — Mirafi 140N conforms easily to the ground or trench surface. The result is soil/fabric contact that assures soil retention and prevents fabric clogging.
- **Improved Availability** — Mirafi 140N is now offered at more geographic locations than ever before along with the service and technology that have become synonymous with the Mirafi name.
- **Improved Puncture Resistance** — Mirafi 140N's puncture and burst resistance has been improved to meet the requirements of the toughest drainage fabric installations.

**Drainage — A Costly Necessity.** Providing adequate drainage is a necessity for insuring soil stability in pavement subgrades, embankments, and other structures. Properly designed and installed drainage systems are the key to moisture control. To insure performance and service life, a drainage system must be protected by a filter

medium that allows water to pass through while preventing soil particles from piping into the drainage stone. Mirafi 140N provides this protective filter. Mirafi 140N is a performance proven and cost-effective alternative to graded aggregate filters, is readily available and can be easily installed by two men.

Mirafi 140N eliminates problems associated with:

- Finding a convenient and economical source of a specific aggregate gradation.
- Transporting and installing graded aggregates filter materials.
- Quality assurance of the in-place aggregate gradation to ensure filter performance.

In addition, drain size can often be reduced when Mirafi 140N fabric is installed because the thick graded-aggregate layer is eliminated. Consequently, less excavation and aggregate are required to construct the drain.

For more information contact your local Mirafi Representative or call toll free 800-438-1855. In Hawaii, Alaska or North Carolina call 704-523-7477.



## Fabric Properties

Fabric Property	Unit	Test Method	Typical Value <sup>(1)</sup>
Resistance to Installation Damage			
Grab Tensile Strength	lb	ASTM D-1682-64	120
Grab Tensile Elongation	%	ASTM D-1682-64	55
Burst Strength	psi <sup>(2)</sup>	ASTM D-3786-80a <sup>(2)</sup>	210
Trapezoid Tear Strength	lb	ASTM D-1117-80	50
Puncture Strength	lb	ASTM D-3787-80 <sup>(3)</sup>	70

<sup>1</sup> The values listed are average values. Contact the Mirafi Technical Department for minimum certifiable values.

<sup>2</sup> Diaphragm Bursting Tester.

<sup>3</sup> Tension Testing Machine with ring clamp; steel ball replaced with a 3/8-inch diameter solid steel cylinder (with hemispherical tip) centered within the ring clamp.



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MIRAFI INC P.O. BOX 240967/CHARLOTTE, N.C. 28224/(704) 523-7477 or (800) 438-1855/TELEX 216903 MRFI